

Claims

1. A cutting insert (1) for a cutting or breaking tool, which can be mounted in a tool holder that can be rotated about its longitudinal axis (7), especially for a lathe chisel, with an essentially conical tip (2), a transition region (3) and a foot (4) for connecting with a tool body (10), wherein the transition region (3) has several spatial areas (5), which are distributed over its periphery and adjoin one another forming spatial and cutting edges (6).
2. The cutting insert of claim 1, wherein the spatial areas (5) are curved concavely.
3. The cutting insert of claims 1 or 2, wherein the spatial areas (5) are inclined so that they enclose an acute angle (α) with the longitudinal axis (7).
4. The cutting insert of one of the claims 1 to 3, wherein the spatial areas (5) are rounded as they change over into the foot (4).
5. A cutting or breaking tool, especially a lathe chisel, for mounting in a tool holder so that it can be rotated about a longitudinal axis (7), with a head (12) and a tool body (10) having a shaft (11), characterized by a cutting insert (1) of one of the claims 1 to 4.
6. The cutting or breaking tool of claim 5, wherein the head (12) of the tool body (10) also has several areas (13), which are distributed over its periphery and adjoin one another forming edges (14).
7. The cutting or breaking tool of claim 6, wherein the spatial and cutting edges (6) of the cutting insert (1) are disposed offset to the edges (14) of the tool body (10).